



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER19960025

Agency Interest No. 286

Mr. David Fellows
Environmental Manager
Baton Rouge Chemical Plant
ExxonMobil Chemical Company
P.O. Box 241
Baton Rouge, LA 70821-0241

RE: Initial Part 70 Operating Permit, Vistalon Production Facility, Baton Rouge Chemical Plant,
ExxonMobil Chemical Company, Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. Fellows:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ____ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 2376-V0

Public Notice

...SUN 11

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
EXXONMOBIL CHEMICAL COMPANY
BATON ROUGE CHEMICAL PLANT / VISTALON® PRODUCTION FACILITY
PROPOSED INITIAL PART 70 AIR OPERATING PERMIT

The LDEQ, Office of Environmental Services, is accepting written comments on an initial Part 70 air operating permit for ExxonMobil Chemical Company, Baton Rouge Chemical Plant (BRCP), P.O. Box 241, Baton Rouge, LA 70821-0241 for the Vistalon® Production Facility. **The facility is located at 4999 Scenic Highway, Baton Rouge, East Baton Rouge Parish.**

BRCP requested an initial part 70 air operating permit for the Vistalon® production facility that manufactures Vistalon rubber made by polymerizing ethylene and propylene. The facility includes two units, the Vistalon® Polymerization Unit (RLA-3) currently operating under State permit No. 2376 (M-1) issued June 5, 2001 and the Vistalon® Finishing Unit (VFU), that operates currently under State permit 2371 (M-3) issued November 21, 2001.

The company also proposes the following changes:

- The General Condition XVII and Insignificant Activities lists have been updated.
- The permitted emissions for all sources have been evaluated and reconciled where necessary based on updated emission factors, calculation methodology, and/or emission speciation.

There will be no net emissions increases in CO, PM₁₀, SO₂, H₂SO₄, H₂S, or NO_x emissions at the Vistalon Production Facility. As such, a PSD analysis is not required.

There will be no net emissions increase in VOC or NO_x emissions at Vistalon® Product Facility. As such, a NNSR analysis is not required.

Estimated emissions from Vistalon Production Facility in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	0.50	17.68	+17.18
SO ₂	0.01	0.05	+0.04
NO _x	292.40	292.37	-0.03
CO	35.40	38.65	+3.25
VOC	867.35	837.46	-29.89

Written comments, written requests for a public hearing, or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, March 23, 2006.** Written comments will be considered prior to a final permit

decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application, proposed initial Part 70 air operating permit and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at the East Baton Rouge Parish Library, Scotlandville Branch, 7373 Scenic Highway, Baton Rouge, LA 70807.

Inquiries or requests for additional information regarding this permit action should be directed to Ms. Cathy Lu, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3124.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabcid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 286, Permit Number 2376-V0, and Activity Number PER19960025.

Publication date: February 17, 2006

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

I. Background

ExxonMobil Chemical Company owns and operates a chemical manufacturing complex, Baton Rouge Chemical Plant (BRCP). Vistalon Production Facility includes the following units: Vistalon Polymerization Unit(RLA-3), Permit No. 2376(M-1) issued June 5, 2001 and the Vistalon Finishing Unit(VFU), Permit No. 2371(M-3) issued November 21, 2001.

II. Origin

A permit application and Emission Inventory Questionnaire was submitted by ExxonMobil Chemical Company on October 16, 1996, and September 13, 2005 requesting a Part 70 operating permit.

III. Description

Vistalon rubber is made by polymerizing ethylene and propylene to form a polymer in a hexane carrier. Liquid filled stirred reactors, operated on a flow through basis, are used in carrying out the polymerization. The exothermic heat of reaction is removed by feed pre-chilling. Catalyst residues are then removed from the polymer. Next, the polymer is precipitated to form a crumb rubber in water slurry by the introduction of steam and hot water. The steam and hot water flash off the hexane carrier and unreacted monomers for recovery. The rubber slurry is then pumped to the finishing building for dewatering and product packaging.

Successive stripping operations at the polymerization unit recover most of the entering hexane and un-reacted monomers, however some of the volatile organic compounds (VOC) vaporize and are exhausted to the atmosphere along with air and steam during dewatering.

Minor changes and reconciliations are being incorporated as follows:

- The General Condition XVII and Insignificant Activities lists have been updated.
- The permitted emissions for all sources have been evaluated and reconciled where necessary based on updated emission factors, calculation methodology, and/or emission speciation.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

Estimated emissions from Vistalon Production Facility in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	0.50	17.68	+17.18
SO ₂	0.01	0.05	+0.04
NO _x	292.40	292.37	-0.03
CO	35.40	38.65	+3.25
VOC	867.35	837.46	-29.89

There will be no net emissions increases in CO, PM₁₀, SO₂, H₂SO₄, H₂S, or NO_x emissions at the Vistalon Production Facility. As such, a PSD analysis is not required.

There will be no net emissions increase in VOC or NO_x emissions at Vistalon Product Facility. As such, a NNSR analysis is not required.

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) review does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on January XXX, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: None

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - TPY				
		PM ₁₀	SO ₂	NOx	CO	VOC
Compressor Startup and Shutdown Emissions	1500/yr				1.0	0.5
Sampling Emissions	560/month					2.0
Deicing the Refrigeration System	varies based on need					0.4
Filter Replacement	72/month					0.6
Mechanical Activities	several times/week					2.1
Drum Cleaning	5 drums/yr				0.02 ^{HCl}	0.043 ^{Cl2}
Tank Clearing for Inspection and Servicing	6 tanks/yr					1.5
Tank Gauging	60/yr					0.03
Turnaround Preparation	1/yr					5.0
Instrumentation and Equipment Servicing	5000/yr					0.31
Catalyst Cylinders Connecting/Disconnecting	100/yr				0.01 ^{HCl}	0.9 ^{Cl2}
Low Point Bleeders	2500/yr					0.01
Container Filling	22,000 gals/yr					0.2
Tank Truck and Drum/Barrel Handling	varies based on need					0.22
Heavy Oil Conditions/Activities	varies based on need					0.1
Analyzer Calibration Standards	8/yr	0.01	0.01	0.01	0.01	
Compressor Evacuations	28/yr					0.51

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

Work Activity	Schedule	Emission Rates - TPY				
		PM ₁₀	SO ₂	NOx	CO	VOC
Slurry System Blowdown Box	10/yr					0.05
Drum Evacuations	13/yr					0.07
Catalyst Metering and Control Station	10/yr					0.01 ^{CLD}
Catalyst Tank Truck and Skid Depressuring	275/yr					1.37

IX. Insignificant Activities

ID No.:	Description	Citation
	Unit Tanks(<250 gals, TVP<=3.5 psia)	Insignificant Activity per LAC 33:III.501.B.5.A.2.
	Unit Tanks(<10,000 gals, TVP<0.5 psia)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
	Analyzer Vents	Insignificant Activity per LAC 33:III.501.B.5.A.9.

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																	
		5 ¹	9	11	13	15	2103	2109	2111	2115	2122	2153	2147	2149	22	51*	53	56	59
GRP112	Vistalon	1	1	1	1											1	1	1	
EQT546	C-08B															1			
EQT547	C-08E															3			
EQT548	C-16															3			
EQT549	S-29B		1	1	1							3		3		1	1		
EQT550	S-30A		1	1	1							3				1	2		
EQT551	S-30B		1	1	1							3				1	2		
EQT552	S-30C		1	1	1							3				1	2		
EQT553	S-30D		1	1	1							3				1	2		
EQT554	S-30E		1	1	1							3				1	2		
EQT555	S-30F		1	1	1							3				1	2		
EQT556	S-30G		1	1	1							3				1	2		
GRP141	S-30 CAP	1																	
EQT557	T-110											3				1			
EQT558	T-120											3				1			

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility

Baton Rouge Chemical Plant

Agency Interest No. 286

ExxonMobil Chemical Company

Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5'	9	11	13	15	2103	2109	2111	2115	2122	2153	2147	2149	22	51*	53	56
EQT559	T-130						3									1		
EQT560	T-135						3									1		
EQT561	T-140						3									1		
EQT562	T-150						3									1		
EQT563	T-160						3									1		
EQT564	T-1928						3									3		
EQT565	T-1929							1								1		
EQT566	T-1979							3								1		
EQT567	T-1980							3								1		
EQT568	T-2001							3								3		
EQT570	T-8							3								1		
EQT571	V-93								1							3		1
EQT574	T-3266									3						3		
EQT575	T-3267										1					3		
EQT576	T-3268										1					1		
EQT577	T-3272										3					3		

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
 Baton Rouge Chemical Plant
 Agency Interest No. 286
ExxonMobil Chemical Company
 Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III, Chapter																	
		5'	9	11	13	15	2103	2109	2111	2115	2122	2153	2147	2149	22	51*	53	56	59
EQT578	T-3273						1									1			
EQT579	T-3274							1									1		
EQT580	T-3275								3								1		
EQT581	T-3276									3							3		
EQT582	T-3277									3							3		
EQT583	T-3304A										1						1		
EQT584	T-3304B											1					1		
EQT585	T-3304C											1					1		
EQT586	T-3304D												1				1		
EQT587	T-3304E												3				1		
EQT588	T-3304F												3				1		
EQT589	T-3304G												3				1		
EQT590	T-3304H												3				1		
EQT591	T-3305													1			1		
EQT592	T-3306													1			1		
FUG031	M-12															1		1	

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5'	9	11	13	15	2103	2109	2111	2115	2122	2153	2147	2149	22	51*	53	56
FUG032	M-13						1					3				1		
FUG033	M-14											1					1	
FUG034	M-15											1					1	
FUG035	M-16											1					1	
GRP140	M-49					1												1
FUG036	M-84												3				1	
FUG037	U-119											1	1				1	
FUG038	U-24											1					3	
FUG039	U-46E											1	1				1	
FUG040	U-47L											1	1				1	
RLP075	V-514													3	3		3	
RLP076	V-516													3	3		1	
RLP077	V-517													3	3		1	
RLP078	V-519													3	3		1	
RLP079	V-520													3	3		3	
RLP080	V-521													3	3		1	

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5 ¹	9	11	13	15	2103	2109	2111	2115	2122	2153	2147	2149	22	51*	53	56
RLP081	V-522														3	3	3	

*The regulations indicated above are State Only regulations.

¹LAC 33:III.C.6 citations are federally enforceable except when it specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR							
		D _g	A	K _b	V _b	H _b	Z _b	R _b	A	J _b V	F _b	A	H	O	C	F _b F	DDD	64	68	70	
GRP112	Vistalon	1						1	1	1						1	3		1	1	
EQT546	C-08B															3	1				
EQT547	C-08E															3	3				
EQT548	C-16															3	3				
EQT549	S-29B	2							3	3						1	1				
EQT550	S-30A															3	3				
EQT551	S-30B															3	3				
EQT552	S-30C															3	3				
EQT553	S-30D															3	3				
EQT554	S-30E															3	3				
EQT555	S-30F															3	3				
EQT556	S-30G															1	3				
EQT557	T-110															2					

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
 Baton Rouge Chemical Plant
 Agency Interest No. 286
 ExxonMobil Chemical Company
 Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR							
		A	D _g	K	K _b	V	III	N ₂	R _R	A	V _A	F _E	A _E	H	O	C	F _{FF}	D _{DD}	64	68	70
EQT558	T-120				2																
EQT559	T-130				3																
EQT560	T-135				3																
EQT561	T-140				3																
EQT562	T-150				3																
EQT563	T-160				3																
EQT564	T-1928				2																
EQT565	T-1929				3																
EQT566	T-1979				2																
EQT567	T-1980				2																
EQT568	T-2001				1	2															
EQT570	T-8				3																
EQT571	V-93																				
EQT574	T-3266				3																

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR							
		A	B	C	K	V	III	II	Z	R	F	A	E	H	O	U	FFF	DDDD	64	68	70
EQT575	T-3267																				
EQT576	T-3268																				
EQT577	T-3272																				
EQT578	T-3273																				
EQT579	T-3274																				
EQT580	T-3275																				
EQT581	T-3276																				
EQT582	T-3277																				
EQT583	T-3304A																				
EQT584	T-3304B																				
EQT585	T-3304C																				
EQT586	T-3304D																				
EQT587	T-3304E																				
EQT588	T-3304F																				

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant

Agency Interest No. 286

ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR			
		A	D _g	K	K _b	III	II	Z	R	A	F _E	F _E	G	H	O	ZZZ	70
EQT589	T-3304G				3												3
EQT590	T-3304H				3												3
EQT591	T-3305				3												3
EQT592	T-3306				3												3
FUG031	M-12																1
FUG032	M-13																1
FUG033	M-14																1
FUG034	M-15																1
FUG035	M-16																1
GRP140	M-49																1
FUG036	M-84																1
FUG037	U-119																1
FUG038	U-24																3
FUG039	U-46E																1

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
 Baton Rouge Chemical Plant
 Agency Interest No. 286
 ExxonMobil Chemical Company
 Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR						
		A	D _g	K	K _b	III	N _Z	R _R	A	F _E	A	F _H	H	O	C	F _{FF}	D _{DDD}	64	68	70
FUG040	U-47L				1										1					
RLP075	V-514					3	3	3											3	
RLP076	V-516					3	3	3											1	
RLP077	V-517					3	3	3											1	
RLP078	V-519					3	3	3											1	
RLP079	V-520					3	3	3											3	
RLP080	V-521					3	3	3											1	
RLP081	V-522					3	3	3											3	

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

[3] - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT546 C-08B	NESHAP for Source Categories Subpart Q-Chromium Emissions from Industrial Process Cooling Towers (IPCT) [40 CFR Part 63.400(a)]	DOES NOT APPLY. No water treatment programs using chromium or chromium compounds at the IPCT.
EQT547 C-08E		
EQT548 C-16	NESHAP for Source Categories Subpart U-Group 1 Polymers and Resins-Heat Exchanger Provisions [40 CFR 63.502(n) and 63.104(a)(5)]	DOES NOT APPLY. The process fluids cooled by the circulating heat exchange system do not contain any of the hazardous air pollutants listed in Table 5 of Subpart U.
EQT548 C-16		
FUG31 M-12	Control of Emission of Organic Compounds-Waste Gas Disposal [LAC 33:III.2115.H.1.d]	EXEMPT. The waste gas stream VOC concentration is less than 3000 ppm. Records must be kept to demonstrate exempt status.
FUG33 M-14		
FUG34 M-15		
FUG35 M-16		
FUG32 M-13	NESHAP for Source Categories Subpart U-Continuous Front-End Process Vent Provisions [40 CFR 63.485(a)]	DOES NOT APPLY. The source does not receive any Group 1 Continuous Front-End Process Vents.
FUG32 M-13		
FUG32 M-13	Control of Emission of Organic Compounds-Oil/Water Separation [LAC 33:III.2109.B.2]	EXEMPT. This source separates less than 200 gallons a day of material containing volatile organic compounds.
FUG32 M-13		
FUG36 M-84	Control of Emissions of Organic Compounds-Standards for Industrial Wastewater [LAC 33:III.2153.A]	DOES NOT APPLY. Does not meet the definition of affected source category because unit is not covered by any of the listed SIC codes.
FUG36 M-84		

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
 Baton Rouge Chemical Plant
 Agency Interest No. 286
 ExxonMobil Chemical Company
 Baton Rouge, East Baton Rouge Parish, Louisiana

Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT549 S-29B	NSPS Subpart Db-Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60.40b(a)]	DOES NOT APPLY. No construction, modification, or reconstruction of the source commenced after 6/19/84.
	NSPS Subpart NNN-SOCMI Distillation Operations [40 CFR 60.660]	DOES NOT APPLY. This combustion source is not used to control any vent streams from distillation operations subject to the requirements of NSPS NNN.
	NSPS Subpart RRR-SOCMI Reactor Processes [40 CFR 60.700]	DOES NOT APPLY. This combustion source is not used to control any vent streams from reactor processes subject to the requirements of NSPS RRR.
	Emission Standards for Sulfur Dioxide-Emission Limitations [LAC 33:III.1503]	EXEMPT. Source emits <250 tons per year of sulfur compounds. On 1/3/1997, LDEQ approved exemptions that exclude this source from the 2,000 ppmv SO ₂ limit.
	Emission Standards for Sulfur Dioxide-Reduced Sulfur Compounds [LAC 33:III.1509]	DOES NOT APPLY. Source does not contain sulfur compounds measured as hydrogen sulfide.
	Control of Emission of Organic Compounds-Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. This regulation does not apply to any waste gas stream that is required by another federal or state regulation to implement controls that reduce VOCs to a more stringent standard than would be required by this section.
	Control of Emission of Organic Compounds-Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.A]	DOES NOT APPLY. The source does not control any vent stream discharged from a SOCMI reactor process or distillation operation.

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT550 S-30A	NESHAP Part 63 for Source Categories Subpart U-Group 1 Polymers and Resins [40 CFR 63.480(a)]	DOES NOT APPLY. This source does not control a source applicable to Subpart U.
EQT551 S-30B	Emission Standards for Sulfur Dioxide-Emission Limitations [LAC 33:III.1503]	EXEMPT. Source emits <250 tons per year of sulfur compounds. On 1/3/1997, LDEQ approved exemptions that exclude this source from the 2,000 ppmv SO ₂ limit.
EQT552 S-30C	Emission Standards for Sulfur Dioxide-Reduced Sulfur Compounds [LAC 33:III.1509]	DOES NOT APPLY. Source does not contain sulfur compounds measured as hydrogen sulfide.
EQT553 S-30D	Control of Emission of Organic Compounds-Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. Source does not burn any streams that meet the definition of a waste gas stream.
EQT554 S-30E	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5105.B.3]	EXEMPT. Toxic air pollutant emissions from the combustion of Group 1 virgin fossil fuels and Group 2 virgin fossil fuels are exempt from the requirements of Chapter 5I.
EQT555 S-30F	NESHPS for Source Categories Subpart ZZZZ-Stationary Reciprocating Internal Combustion Engines [40 CFR 63.6590(a)]	DOES NOT APPLY. Does not meet the definition of an affected source. Engines are <500 HP.
EQT556 S-30G		

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT557 T-110	NESHAP for Source Categories Subpart U-Storage Vessel Provisions [40 CFR 63.484(b)(4)]	EXEMPT. Storage vessels located down-stream of the stripping operations subject to the back-end residual organic HAP limitation in 40 CFR 63.494 are exempt from storage vessel requirements of this subpart.
EQT558 T-120		
EQT559 T-130		
EQT560 T-135		
EQT561 T-140		
EQT562 T-150		
EQT563 T-160		
EQT564 T-1928	NESHAP for Source Categories Subpart U-Storage Vessel Provisions [40 CFR 63.480(c)]	DOES NOT APPLY. Vessels storing material that contains no organic HAP or organic HAP as impurities only are excluded from the affected source.
EQT566 T-1979		
EQT567 T-1980		
EQT568 T-2001		
EQT574 T-3266		
EQT575 T-3267		
EQT577 T-3272		
EQT581 T-3276		
EQT582 T-3277		

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT574 T-3266	NESHAP for Source Categories Subpart U-Surge Control Vessel Provisions [40 CFR 63.480(c)(8)]	DOES NOT APPLY. Vessel is not “in organic HAP service” and does not contain liquid containing organic HAPs.
EQT575 T-3267		
EQT577 T-3272		
EQT580 T-3275		
EQT581 T-3276		
EQT582 T-3277		
EQT591 T-3305		
EQT592 T-3306		
EQT570 T-8	NESHAP for Source Categories Subpart U-Surge Control Vessel Provisions [40 CFR 63.502(a) and Tables 3&4 to Subpart U]	DOES NOT APPLY. The source has a capacity less than 75 cubic meters.
EQT576 T-3268		
EQT578 T-3273		
EQT579 T-3274		
EQT583 T-3304A		
EQT584 T-3304B		
EQT585 T-3304C		
EQT586 T-3304D		
EQT587 T-3304E		
EQT588 T-3304F ^o		
EQT589 T-3304G		
EQT590 T-3304H		

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT576 T-3268	NESHAP For Source Categories Subpart U-Storage Vessel Provisions	DOES NOT APPLY. The source does not meet the definition of storage vessels, since the capacity is less than 75 cubic meters.
EQT578 T-3273	[40 CFR 63.482 and Table 3 to Subpart U]	
EQT570 T-8	NESHAP For Source Categories Subpart U-Storage Vessel Provisions	DOES NOT APPLY. The source does not meet the definition of storage vessels, since the capacity is less than 38 cubic meters.
EQT579 T-3274	[40 CFR 63.482 and 63.484(a)]	
EQT580 T-3275		
EQT583 T-3304A		
EQT584 T-3304B		
EQT585 T-3304C		
EQT586 T-3304D		
EQT587 T-3304E		
EQT588 T-3304F		
EQT589 T-3304G		
EQT590 T-3304H		
EQT557 T-110	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY. No construction, reconstruction, or modification after July 23, 1984.
EQT558 T-120	[40 CFR 60.110b(a)]	
EQT564 T-1928		
EQT566 T-1979		
EQT567 T-1980		
EQT568 T-2001		

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT559 T-130	NSPS Subpart Kb ~ Standards of Performance for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY. Storage vessel has a capacity <19,812 gals (75 cubic meters).
EQT560 T-135		
EQT561 T-140	[40 CFR 60.110(b)(a)]	
EQT562 T-150		
EQT563 T-160		
EQT570 T-8		
EQT574 T-3266		
EQT575 T-3267		
EQT576 T-3268		
EQT577 T-3272		
EQT578 T-3273		
EQT579 T-3274		
EQT580 T-3275		
EQT581 T-3276		
EQT582 T-3277		
EQT583 T-3304A		
EQT584 T-3304B		
EQT585 T-3304C		
EQT586 T-3304D		

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT587 T-3304E	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110(b)(a)]	DOES NOT APPLY. Storage vessel has a capacity <19,812 gals (75 cubic meters).
EQT588 T-3304F		
EQT589 T-3304G		
EQT590 T-3304H		
EQT591 T-3305		
EQT592 T-3306		
EQT565 T-1929	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 63.110(b) and 40 CFR 63.481(i)]	DOES NOT APPLY. A storage vessel classified as Group 1 or Group 2 under NESHAP Part 63 Subpart U-storage vessel provisions that is also subject to NSPS subpart Kb is required to comply only with the provision of Subpart U.
EQT568 T-2001	NSPS Subpart K-Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After 6/11/73 and Prior to 5/19/78 [40 CFR 60.110(a) and 40 CFR 60.115a(d)(1)]	EXEMPT. Storage vessel is exempt from the provisions of this subpart since it has capacity greater than or equal to 40,000 gallons storage a liquid with maximum true vapor pressure <1.0 psia
EQT574 T-3266	Control of Emission of Organic Compounds-Storage of VOC Compounds [LAC 33.III.2103]	DOES NOT APPLY. No gas streams are discharged to the atmosphere from this equipment.
EQT577 T-3272		
EQT581 T-3276		
EQT582 T-3277		
EQT580 T-3275	Control of Emission of Organic Compounds-Storage of VOC Compounds [LAC 33.III.2103]	DOES NOT APPLY. Does not meet definition of volatile organic compounds.
EQT589 T-3304G		
EQT590 T-3304H		

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
 Baton Rouge Chemical Plant
 Agency Interest No. 286
ExxonMobil Chemical Company
 Baton Rouge, East Baton Rouge Parish, Louisiana

Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT557 T-110	Control of Emission of Organic Compounds-Storage of VOC Compounds [LAC 33:III.2103]	EXEMPT. Storage vessels storing VOC with true vapor pressure<1.5 psia are exempt from the provisions of this section.
EQT558 T-120		
EQT559 T-130		
EQT560 T-135		
EQT561 T-140		
EQT562 T-150		
EQT563 T-160		
EQT564 T-1928		
EQT566 T-1979		
EQT567 T-1980		
EQT568 T-2001		
EQT570 T-8		
EQT583 T-3304A	Control of Emission of Organic Compounds-Storage of VOC Compounds [LAC 33:III.2103]	EXEMPT FROM CONTROL. These drums are specifically exempted from the control requirements of 2103 (submerged fill pipe) due to safety reasons, as approved in the variance granted September 9, 2005.
EQT584 T-3304B		
EQT585 T-3304C		
EQT586 T-3304D		
EQT587 T-3304E	Control of Emission of Organic Compounds-Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. Container has a capacity less than 250 gallons.
EQT588 T-3304F		

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
FUG038 U-24	NESHAP for Source Categories Subpart U-Equipment Leak Provisions [40 CFR 63.502 and 63.101]	DOES NOT APPLY. Not in organic HAP service. Equipment does not contain any of the hazardous air pollutants listed in Table 5 of Subpart U.
RLP075 V-514	NSPS Subpart III-Standards of Performance for VOC Emissions from SOCMI Air Oxidation Unit Processes [40 CFR 60.611]	DOES NOT APPLY. Does not meet the definition of an air oxidation process unit.
RLP076 V-516	NSPS Subpart NNN-SOCMI Distillation Operations [40 CFR 60.660(a)]	DOES NOT APPLY. Process unit does not produce any of the SOCMI chemicals listed in 40 CFR 60.667 as a product, coproduct, by-product, or intermediate.
RLP077 V-517	NSPS Subpart RRR-SOCMI Reactor Processes {40 CFR 60.700(a)}	DOES NOT APPLY. Process unit does not produce any of the SOCMI chemicals listed in 40 CFR 60.707 as a product, coproduct, by-product, or intermediate.
RLP078 V-519	Control of Emission of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.A]	DOES NOT APPLY. Does not produce any of the SOCMI chemical listed in Table 8 in LAC 33:III Chapter 21 Appendix A as a final product or intermediate.
RLP079 V-520	Control of Emission of Organic Compounds-Limiting VOC Emissions from Batch Processing {LAC 33:III.2149 A, B]	DOES NOT APPLY. Does not meet the definition of a batch process.
RLP080 V-521		
EQT571 V-93		
RLP081 V-522		
RLP075 V-514	NESHAP for Source Categories Subpart U-Continuous Front-End Process Vent Provision	DOES NOT APPLY. Does not meet the definition of process vent. The process stream is totally returned back to the process.
RLP079 V-520		

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
RLP081 V-522	NESHAP for Source Categories Subpart U-Storage Vessel Provisions	DOES NOT APPLY. Vessels storing material that contains no organic HAP or organic HAP as impurities only are excluded from the affected source.
EQT571 V-93	NESHAP for Source Categories Subpart U-Continuous Front-End Process Vent Provision	DOES NOT APPLY. Not a continuous front-end process vent because it is not part of a continuous unit operation.
	NESHAP for Source Categories Subpart U-Continuous Back-End Process Vent Provision	DOES NOT APPLY. Does not meet the definition of batch back end process vent in 40 CFR 63.482.
	Control of Emission of Organic Compounds-Waste Gas Disposal [LAC 33:III.2115]	EXEMPT FROM CONTROL. Based on the Air Toxics permit received for RLA-3 and the correspondence in 1995 through 1996, this source is exempted from the control requirements of the waste gas rule.
EQT547 C-08E EQT548 C-16 EQT564 T-1928 EQT568 T-2001 EQT575 T-3267 FUG038 U-24 RLP081 V-522	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [LAC 33:III.5109]	DOES NOT APPLY. These emission points do not emit any TAPs.

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT574 T-3266	Comprehensive Toxic Air Pollutant Emission Control Program	DOES NOT APPLY. There is no vent stream from this process equipment.
EQT577 T-3272	STATE ONLY	
EQT581 T-3276	[LAC 33:III.5109]	
EQT582 T-3277		
RLP075 V-514		
RLP079 V-520		
GRPI12 Vistalon	NESHAP for Source Categories Subpart FFFF-Miscellaneous Organic NESHAP(MON) [40 CFR 63.2435]	DOES NOT APPLY. The facility does not meet the applicability criteria for a miscellaneous organic chemical manufacturing process unit as defined in 40 CFR 63.2550.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
 Baton Rouge Chemical Plant
 Agency Interest No. 286
 ExxonMobil Chemical Company
 Baton Rouge, East Baton Rouge Parish, Louisiana

EQUIPMENT LIST			
EMISSION ID	DESCRIPTION	NOTES	
GPR40 M-49	VISTALON FINISHING EMISSIONS CAP	This VFEU Cap was established to limit the combined total volatile organic compound emissions at 757.08 ton/yr for any consecutive twelve-month period for the VISTALON finishing equipment. The equipment included in this cap are listed below:	
	FUG031 M-12 - Conveyor Distribution Center (CDC) Secondary Emissions		
	FUG034 M-14 - Expander Airvey/Fluid Bed Conveyor Exhaust Emissions		
	FUG034 M-15 - Wet Airvey Exhaust Secondary Emissions		
	FUG035 M-16 - Slurry System Exhaust Secondary Emissions		
	EQT557 T-110 - Rubber/Water Tank		
	EQT558 T-120 - Rubber/Water Tank		
	EQT559 T-130 - Water Tank		
	EQT560 T-135 - Rubber/Water Tank		
	EQT561 T-140 - Water Tank		
	EQT562 T-150 - Polymer Reprocessing Tank		
	EQT563 T-160 - Rubber/Water Tank		
GRP141 S-30	RLA-3 VPC-101 COMPRESSOR ENGINES CAP	This cap was established to account for emissions to the atmosphere from seven internal combustion engines:	
	EQT550 S-30A - RLA-3 Compressor Engine (VPC-101A)		
	EQT551 S-30B - RLA-3 Compressor Engine (VPC-101B)		
	EQT552 S-30C - RLA-3 Compressor Engine (VPC-101C)		
	EQT553 S-30D - RLA-3 Compressor Engine (VPC-101D)		
	EQT554 S-30E - RLA-3 Compressor Engine (VPC-101E)		
	EQT555 S-30F - RLA-3 Compressor Engine (VPC-101F)		
	EQT556 S-30G - RLA-3 Compressor Engine (VPC-101G)		
EQT574 T-3266	ACCUMULATOR DRUM (VXD-158)	This is no vent stream from this source. Vessel accumulates propylene for the compressor refrigeration system.	
EQT575 T-3267	FEED SURGE DRUM (VPD-207)	The vent from this vessel is routed to the Olefins processes or may be routed to the Refinery Mixing Manifold (RMM) fuel gas system, which is primary fuel gas system for boilers and process heaters in the Refinery.	
EQT576 T-3268	VPT-103 FEED DRUM (VPD-132)	Vent stream is collected by a vapor recovery system which routes the vapors back to the process or to the BRCP Flare Gas System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) routes the process vents to the BRCP flares for combustion.	
EQT577 T-3272	ENB DRUM (VHD-159)	There is no vent stream from this source. Vessel is a process drum that recycles ENB back to the process.	
EQT578 T-3273	HEXANE STORAGE DRUM (VHD-103)	Vent stream is collected by a vapor recovery system which routes the vapors back to the process or to the BRCP Flare Gas System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) routes the process vents to the BRCP flares for combustion.	

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

EQUIPMENT LIST		
EMISSION ID	DESCRIPTION	NOTES
EQT579 T-3274	ETHANOL STORAGE DRUM (VCD-905)	Vent stream produced during filling operations is collected by a vapor recovery system which routes the to the BRCP Flare Gas System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) routes the process vents to the BRCP flares for combustion.
EQT580 T-3275	AMMONIA DRUM (VCD-501X)	Vent stream is collected by a vapor recovery system which routes the vapors back to the process or to the BRCP Flare Gas System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) routes the process vents to the BRCP flares for combustion.
EQT581 T-3276	PROPYLENE FEED DRUM (VRD-102A)	There is no vent stream from this source. Vessel is a reactor feed drum for the Polymerization Reactors (EIQ #V-514).
EQT581 T-3277	PROPYLENE FEED DRUM (VRD-102B)	There is no vent stream from this source. Vessel is a reactor feed drum for the Polymerization Reactors (EIQ #V-514).
GPR028 T-3304	CATALYST DRUMS VENT	This is a common vent to the atmosphere for emissions from eight catalyst drums:
		EQT583 T-3304A - Catalyst Drum (VCD-107A) EQT584 T-3304B - Catalyst Drum (VCD-107B) EQT585 T-3304C - Catalyst Drum (VCD-107C) EQT586 T-3304D - Catalyst Drum (VCD-107D) EQT587 T-3304E - Catalyst Drum (VCD-901) EQT588 T-3304F - Catalyst Drum (VCD-902) EQT589 T-3304G - Catalyst Drum (VCD-903) EQT590 T-3304H - Catalyst Drum (VCD-904)
EQT591 T-3305	VNB RECYCLE DRUM (VHD-101A)	Vent stream is collected by a vapor recovery system which routes the vapors back to the process or to the BRCP Flare Gas System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) routes the process vents to the BRCP flares for combustion.
EQT592 T-3306	VNB RECYCLE DRUM (VHD-101B)	Vent stream is collected by a vapor recovery system which routes the vapors back to the process or to the BRCP Flare Gas System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) routes the process vents to the BRCP flares for combustion.
RLP075 V-514	POLYMERIZATION REACTORS/CATALYST RECOVERY SYSTEM	There is no vent stream from this source. The vent stream is returned to the process.
RLP076 V-516	DEASHING PURGE VENT (VDD-500/VHD-139)	Vent stream is collected by a vapor recovery system which routes the vapors back to the process or to the BRCP Flare Gas System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) routes the process vents to the BRCP flares for combustion.
RLP077 V-517	HEXANE PURIFICATION/RECOVERY SYSTEM	Vent stream is collected by a vapor recovery system which routes the vapors back to the process or to the BRCP Flare Gas System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) routes the process vents to the BRCP flares for combustion.
RLP078 V-519	SLURRY STRIPPER SYSTEM (VSD-21A/21/22)	Vent stream is collected by a vapor recovery system which routes the vapors back to the process or to the BRCP Flare Gas System. The Flare Gas Recovery System collects process vents and either 1) routes them to the fuel gas system where they are used as a primary fuel supply in site process heaters and boilers, or 2) routes the process vents to the BRCP flares for combustion.

AIR PERMIT BRIEFING SHEET

AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

EQUIPMENT LIST		
EMISSION ID	DESCRIPTION	NOTES
RLP079 V-520	PROPANE/HEXANE SPLITTER (VPT-102)	There is no vent stream from this source. The vent stream is returned to the process.
RLP080 V-521	PROPANE/HEXANE SPLITTER (VPT-103)	Vent stream is routed to the waste heat boiler B-601 (EIQ #S-29B), or to the BRCP Flare Gas System.
RLP081 V-522	PROPYLENE CO ₂ SPLITTER (VPT-104)	The vent is routed to the Olefins processes or may be routed to the Refinery Mixing Manifold (RMM) fuel gas system, which is a primary fuel gas system for boilers and process heaters in the Refinery.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
APPENDIX A: PART 70 ONLY SPECIFIC CONDITIONS**

**Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.

- a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.
- b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters.
- c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on August 15 and February 15, to cover the periods January 1 through June 30, and July 1, through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
U-24	LAC 33:III.2122	10% VOC	LAC 33:III.2122
U-46E	40 CFR 60 Subpart VV LAC 33:III.2122 LA Non-HON MACT 40 CFR 63 Subpart U 40 CFR 63 Subpart H	10% VOC 10% VOC 5% VOTAP 5% VOHAP 5% VOHAP	40 CFR 63 Subpart H
U-47L	40 CFR 60 Subpart VV LAC 33:III.2122 LA Non-HON MACT 40 CFR 63 Subpart H	10% VOC 10% VOC 5% VOTAP 5% VOHAP	40 CFR 63 Subpart H
U-119	LAC 33:III.2122 40 CFR 63 Subpart U	10% VOC 5% VOHAP	40 CFR 63 Subpart H

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ONLY SPECIFIC CONDITIONS**

**Vistalon Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

1. The facility shall maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC). HRVOC shall include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene.
2. It shall be the general duty of owners and/or operators to maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. The written plan presently required by LAC 33:III.2113.A.4 shall be updated within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit.
3. The number of each type of component required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the Department by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided:
 - a. Changes in components involve routine maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increases except from the fugitive emissions components themselves;
 - b. The changes do not involve any associated increase in production rate or capacity, or tie in of new or modified process equipment other than the piping components;
 - c. Actual emissions following the changes will not exceed the emission limits contained in this permit; and
 - d. The components are promptly incorporated into any applicable leak detection and repair program.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

40 CFR PART 70 GENERAL CONDITIONS

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 16, 1996, and a revised application and EIQ dated September 13, 2005.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

INVENTORIES

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
 Activity Number: PER19960025
 Permit Number: 2376-Y0
 Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT546	C-08B - GF/LA-2/5/6 COOLING TOWERS (RLA-3 EMISSIONS)	19000 gallons/min			8760 hr/yr (All Year)	
EQT547	C-08E - GF/LA-2/5/6 COOLING TOWERS (VFU EMISSIONS)	4800 gallons/min			8760 hr/yr (All Year)	
EQT548	C-16 - VISTALON COOLING TOWER (VUCT-156)	1625 gallons/min			8760 hr/yr (All Year)	
EQT549	S-29B - VPT-103 RESIDUE TO WASTE BOILER B-601(RLA-3)	77.3 MM BTU/hr			8760 hr/yr (All Year)	
EQT550	S-30A - RLA-3 COMPRESSOR ENGINE (VPC-101A)	5.22 MM BTU/hr			8760 hr/yr (All Year)	
EQT551	S-30B - RLA-3 COMPRESSOR ENGINE (VPC-101B)	5.22 MM BTU/hr			8760 hr/yr (All Year)	
EQT552	S-30C - RLA-3 COMPRESSOR ENGINE (VPC-101C)	5.22 MM BTU/hr			8760 hr/yr (All Year)	
EQT553	S-30D - RLA-3 COMPRESSOR ENGINE (VPC-101D)	5.22 MM BTU/hr			8760 hr/yr (All Year)	
EQT554	S-30E - RLA-3 COMPRESSOR ENGINE (VPC-101E)	5.22 MM BTU/hr			8760 hr/yr (All Year)	
EQT555	S-30F - RLA-3 COMPRESSOR ENGINE (VPC-101F)	5.22 MM BTU/hr			8760 hr/yr (All Year)	
EQT556	S-30G - RLA-3 COMPRESSOR ENGINE (VPC-101G)	8.17 MM BTU/hr			8760 hr/yr (All Year)	
EQT557	T-110 - RUBBER/WATER STORAGE TANK	75100 gallons			8760 hr/yr (All Year)	
EQT558	T-120 - RUBBER/WATER STORAGE TANK	75100 gallons			8760 hr/yr (All Year)	
EQT559	T-130 - WATER TANK	17800 gallons			8760 hr/yr (All Year)	
EQT560	T-135 - RUBBER/WATER STORAGE TANK	2200 gallons			8760 hr/yr (All Year)	
EQT561	T-140 - WATER TANK	17800 gallons			8760 hr/yr (All Year)	
EQT562	T-150 - REPROCESSING POLYMER TANK	15000 gallons			8760 hr/yr (All Year)	
EQT563	T-160 - RUBBER/WATER STORAGE TANK	10000 gallons			8760 hr/yr (All Year)	
EQT564	T-1928 - EXTENSION OIL STORAGE TANK	216000 gallons			8760 hr/yr (All Year)	
EQT565	T-1929 - HEXANE STORAGE TANK	227000 gallons			8760 hr/yr (All Year)	
EQT566	T-1979 - ENB STORAGE TANK	56400 gallons			8760 hr/yr (All Year)	
EOT567	T-1980 - VNB STORAGE TANK	21000 gallons			8760 hr/yr (All Year)	
EOT568	T-2001 - EXTENSION OIL STORAGE TANK (VDTK-2001)	180000 gallons			8760 hr/yr (All Year)	
EQT570	T-8 - COOLING WATER STORAGE TANK	7100 gallons			8760 hr/yr (All Year)	
EQT571	V-93 - REACTOR SAMPLE PREPARATION VENT				8760 hr/yr (All Year)	
EQT574	T-3266 - ACCUMULATOR DRUM(VXD-158)	3800 gallons			(None Specified)	
EQT575	T-3267 - FEED SURGE DRUM(VPD-207)	5600 gallons			(None Specified)	
EQT576	T-3268 - VPT-103 FEED DRUM(VPD-132)	2500 gallons			(None Specified)	
EQT577	T-3272 - ENB DRUM(VHD-159)	11400 gallons			(None Specified)	
EQT578	T-3273 - HEXANE STORAGE DRUM(VHD-103)	19600 gallons			(None Specified)	
EQT579	T-3274 - ETHANOL STORAGE DRUM(VCD-905)	1100 gallons			(None Specified)	
EQT580	T-3275 - AMMONIA DRUM(VCD-501X)	2400 gallons			(None Specified)	
EQT581	T-3276 - PROPYLENE FEED DRUM(VRD-102A)	4700 gallons			(None Specified)	
EQT582	T-3277 - PROPYLENE FEED DRUM(VRD-102B)	4700 gallons			(None Specified)	
EOT583	T-3304A - CATALYST DRUM(VCD-107A)	9400 gallons			8760 hr/yr (All Year)	
EOT584	T-3304B - CATALYST DRUM(VCD-107B)	9400 gallons			8760 hr/yr (All Year)	
EQT585	T-3304C - CATALYST DRUM(VCD-107C)	4700 gallons			8760 hr/yr (All Year)	

INVENTORIES

AI ID: 286 - ExxonMobil Chemical Co -Baton Rouge Chemical Plant

Activity Number: PER199960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EOT586	T-3304D - CATALYST DRUM(VCD-107D)	4700 gallons				8760 hr/yr (All Year)
EOT587	T-3304E - CATALYST DRUM(VCD-901)	45 gallons				8760 hr/yr (All Year)
EQT588	T-3304F - CATALYST DRUM(VCD-902)	90 gallons				8760 hr/yr (All Year)
EQT589	T-3304G - CATALYST DRUM(VCD-903)	590 gallons				8760 hr/yr (All Year)
EQT590	T-3304H - CATALYST DRUM(VCD-904)	590 gallons				8760 hr/yr (All Year)
EQT591	T-3305 - VNB RECYCLE DRUM(VHD-101A)	4700 gallons			(None Specified)	
EQT592	T-3306 - VNB RECYCLE DRUM(VHD-101B)	4700 gallons			(None Specified)	
FUG031	M-12 - CONVEYOR DISTRIBUTION CENTER (CDC)					8760 hr/yr (All Year)
FUG032	M-13 - POLY.)WATER SEPARATOR EMISSIONS					8760 hr/yr (All Year)
FUG033	M-14 - EXPANDER AR VELFLUID BED CONVEYER EXHAUST					8760 hr/yr (All Year)
FUG034	M-15 - WET AIR VELFLUID EXHAUST					8760 hr/yr (All Year)
FUG035	M-16 - SLURRY SYSTEM EXHAUST					8760 hr/yr (All Year)
FUG036	M-84 - SEC. WASTEWATER EM. (VSTALON TO AWT)		1278 gallons/min			8760 hr/yr (All Year)
FUG037	U-119 - RLA-3 FUGITIVE EMISSIONS					8760 hr/yr (All Year)
FUG038	U-24 - VFU FUGITIVE EMISSIONS					8760 hr/yr (All Year)
FUG039	U-46E - DILARACK FUGITIVE EMISSIONS (VSTALON)					8760 hr/yr (All Year)
FUG040	U-47L - ACLA RACK FUGITIVE EMISSIONS (VSTALON)					8760 hr/yr (All Year)
RLP075	V-514 - POLYMERIZATION REACTORS/CATALYST RECOVERY SYSTEM				(None Specified)	
RLP076	V-516 - DEASHING PURGE VENT(VDD-500/VHD-139)				(None Specified)	
RLP077	V-517 - HEXANE PURIFICATION/RECOVERY SYSTEM				(None Specified)	
RLP078	V-519 - SLURRY STRIPPER SYSTEM(VSD-21/A21/22)				(None Specified)	
RLP079	V-520 - PROPANE/HEXANE SPLITTER(VPT-102)				(None Specified)	
RLP080	V-521 - PROPANE/HEXANE SPLITTER(VPT-103)				(None Specified)	
RLP081	V-522 - PROPYLENE CO2 SPLITTER(VPT-104)				(None Specified)	

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP028	T-3304 - CATALYST DRUMS	EQT583 T-3304A - CATALYST DRUM(VCD-107A)
GRP028	T-3304 - CATALYST DRUMS	EQT584 T-3304B - CATALYST DRUM(VCD-107B)
GRP028	T-3304 - CATALYST DRUMS	EQT585 T-3304C - CATALYST DRUM(VCD-107C)
GRP028	T-3304 - CATALYST DRUMS	EQT586 T-3304D - CATALYST DRUM(VCD-107D)
GRP028	T-3304 - CATALYST DRUMS	EQT589 T-3304H - CATALYST DRUM(VCD-904)
GRP028	T-3304 - CATALYST DRUMS	EQT589 T-3304G - CATALYST DRUM(VCD-903)
GRP028	T-3304 - CATALYST DRUMS	EQT588 T-3304F - CATALYST DRUM(VCD-902)
GRP028	T-3304 - CATALYST DRUMS	EQT587 T-3304E - CATALYST DRUM(VCD-901)

INVENTORIES

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP112	VISTALON PRODUCTION FACILITY	EQT546 C-08B - GFL-A-2/5/6 COOLING TOWERS (RLA-3 EMISSIONS)
GRP112	VISTALON PRODUCTION FACILITY	EQT547 C-08E - GFL-A-2/5/6 COOLING TOWERS (VFU EMISSIONS)
GRP112	VISTALON PRODUCTION FACILITY	EQT548 C-16 - VISTALON COOLING TOWER (VUCT-156)
GRP112	VISTALON PRODUCTION FACILITY	EQT549 S-29B - VPT-T03 RÉSIDUE TO WASTE BOILER B-601(RLA-3)
GRP112	VISTALON PRODUCTION FACILITY	EQT564 T-1928 - EXTENSION OIL STORAGE TANK
GRP112	VISTALON PRODUCTION FACILITY	EQT565 T-1929 - HEXANE STORAGE TANK
GRP112	VISTALON PRODUCTION FACILITY	EQT566 T-1979 - ENB STORAGE TANK
GRP112	VISTALON PRODUCTION FACILITY	EQT567 T-1980 - VNB STORAGE TANK
GRP112	VISTALON PRODUCTION FACILITY	EQT568 T-2001 - EXTENSION OIL STORAGE TANK (VD TK-2001)
GRP112	VISTALON PRODUCTION FACILITY	EQT570 T-8 - COOLING WATER STORAGE TANK
GRP112	VISTALON PRODUCTION FACILITY	EQT571 V-93 - REACTOR SAMPLE PREPARATION VENT
GRP112	VISTALON PRODUCTION FACILITY	EQT574 T-3266 - ACCUMULATOR DRUM(VXD-158)
GRP112	VISTALON PRODUCTION FACILITY	EQT575 T-3267 - FEED SURGE DRUM(VPD-207)
GRP112	VISTALON PRODUCTION FACILITY	EQT576 T-3268 - VPT-103 FEED DRUM(VPD-132)
GRP112	VISTALON PRODUCTION FACILITY	EQT577 T-3272 - ENB DRUM(VHD-159)
GRP112	VISTALON PRODUCTION FACILITY	EQT578 T-3273 - HEXANE STORAGE DRUM(VHD-103)
GRP112	VISTALON PRODUCTION FACILITY	EQT579 T-3274 - ETHANOL STORAGE DRUM(VCD-905)
GRP112	VISTALON PRODUCTION FACILITY	EQT580 T-3275 - AMMONIA DRUM(VCD-501 X)
GRP112	VISTALON PRODUCTION FACILITY	EQT581 T-3276 - PROPYLENE FEED DRUM(VRD-102A)
GRP112	VISTALON PRODUCTION FACILITY	EQT582 T-3277 - PROPYLENE FEED DRUM(VRD-102B)
GRP112	VISTALON PRODUCTION FACILITY	EQT591 T-3305 - VNB RECYCLE DRUM(VHD-101 A)
GRP112	VISTALON PRODUCTION FACILITY	EQT592 T-3306 - VNB RECYCLE DRUM(VHD-101 B)
GRP112	VISTALON PRODUCTION FACILITY	FUG32 M-13 - POLY / WATER SEPARATOR EMISSIONS
GRP112	VISTALON PRODUCTION FACILITY	FUG36 M-84 - SEC. WASTEWATER EMI. (VISTALON TO AWTF)
GRP112	VISTALON PRODUCTION FACILITY	FUG37 U-119 - RLA-3 FUGITIVE EMISSIONS
GRP112	VISTALON PRODUCTION FACILITY	FUG38 U-24 - VFU FUGITIVE EMISSIONS
GRP112	VISTALON PRODUCTION FACILITY	FUG39 U-46E - DILA RACK FUGITIVE EMISSIONS (VISTALON)
GRP112	VISTALON PRODUCTION FACILITY	FUG40 U-47L - ACLA RACK FUGITIVE EMISSIONS (VISTALON)
GRP112	VISTALON PRODUCTION FACILITY	GRP28 T-3304 - CATALYST DRUMS
GRP112	VISTALON PRODUCTION FACILITY	GRP140 M-49 - VISTALON FINISHING EMISSIONS CAP
GRP112	VISTALON PRODUCTION FACILITY	GRP141 S-30 - RLA-3 VPC-101 COMPRESSOR ENGINES CAP
GRP112	VISTALON PRODUCTION FACILITY	RLP75 V-514 - POLYMERIZATION REACTORS/CATALYST RECOVERY SYSTEM
GRP112	VISTALON PRODUCTION FACILITY	RLP76 V-516 - DÉASHING PURGE VENT(VDD-500/VHD-139)
GRP112	VISTALON PRODUCTION FACILITY	RLP77 V-517 - HEXANE PURIFICATION/RECOVERY SYSTEM
GRP112	VISTALON PRODUCTION FACILITY	RLP78 V-519 - SLURRY STRIPPER SYSTEM(VSD-21/AZ1/22)
GRP112	VISTALON PRODUCTION FACILITY	RLP79 V-520 - PROPANE/HEXANE SPLITTER(VPT-102)
GRP112	VISTALON PRODUCTION FACILITY	RLP80 V-521 - PROPANE/HEXANE SPLITTER(VPT-103)

INVENTORIES

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-VG

Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP112	VISTALON PRODUCTION FACILITY	RLP81 V-522 - PROPYLENE CO2 SPLITTER(VPT-104)
GRP140	M-49 - VISTALON FINISHING EMISSIONS CAP	EQT557 T-110 - RUBBER/WATER STORAGE TANK
GRP140	M-49 - VISTALON FINISHING EMISSIONS CAP	EQT558 T-120 - RUBBER/WATER STORAGE TANK
GRP140	M-49 - VISTALON FINISHING EMISSIONS CAP	EQT559 T-130 - WATER TANK
GRP140	M-49 - VISTALON FINISHING EMISSIONS CAP	EQT560 T-135 - RUBBER/WATER STORAGE TANK
GRP140	M-49 - VISTALON FINISHING EMISSIONS CAP	EQT561 T-140 - WATER TANK
GRP140	M-49 - VISTALON FINISHING EMISSIONS CAP	EQT562 T-150 - REPROCESSING POLYMER TANK
GRP140	M-49 - VISTALON FINISHING EMISSIONS CAP	EQT563 T-160 - RUBBER/WATER STORAGE TANK
GRP140	M-49 - VISTALON FINISHING EMISSIONS CAP	FUG31 M-12 - CONVEYOR/DISTRIBUTION CENTER (CDC)
GRP140	M-49 - VISTALON FINISHING EMISSIONS CAP	FUG33 M-14 - EXPANDER AIR/VE/FILL/JD BED CONVEYER EXHAUST
GRP140	M-49 - VISTALON FINISHING EMISSIONS CAP	FUG34 M-15 - WET AIR/E EXHAUST
GRP140	M-49 - VISTALON FINISHING EMISSIONS CAP	FUG35 M-16 - SLURRY SYSTEM EXHAUST
GRP141	S-30 - RLA-3 VPC-101 COMPRESSOR ENGINE'S CAP	EQT550 S-30A - RLA-3 COMPRESSOR ENGINE (VPC-101A)
GRP141	S-30 - RLA-3 VPC-101 COMPRESSOR ENGINE'S CAP	EQT551 S-30B - RLA-3 COMPRESSOR ENGINE (VPC-101B)
GRP141	S-30 - RLA-3 VPC-101 COMPRESSOR ENGINE'S CAP	EQT552 S-30C - RLA-3 COMPRESSOR ENGINE (VPC-101C)
GRP141	S-30 - RLA-3 VPC-101 COMPRESSOR ENGINE'S CAP	EQT553 S-30D - RLA-3 COMPRESSOR ENGINE (VPC-101D)
GRP141	S-30 - RLA-3 VPC-101 COMPRESSOR ENGINE'S CAP	EQT554 S-30E - RLA-3 COMPRESSOR ENGINE (VPC-101E)
GRP141	S-30 - RLA-3 VPC-101 COMPRESSOR ENGINE'S CAP	EQT555 S-30F - RLA-3 COMPRESSOR ENGINE (VPC-101F)
GRP141	S-30 - RLA-3 VPC-101 COMPRESSOR ENGINE'S CAP	EQT556 S-30G - RLA-3 COMPRESSOR ENGINE (VPC-101G)

Relationships:

ID	Stack Information:	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT546	C-08B - GFLA-2/5/6 COOLING TOWERS (RLA-3 EMISSIONS)	31		.78		57	
EQT547	C-08E - GFLA-2/5/6 COOLING TOWERS (VFU EMISSIONS)	31		.78		57	
EQT548	C-16 - VISTALON COOLING TOWER (VJCT-156)	27.3		.95		13	130
EQT549	S-29B - VPT-103 RESIDUE TO WASTE BOILER B-601(RLA-3)	71	223500	10		75	270
EQT550	S-30A - RLA-3 COMPRESSOR ENGINE (VPC-101A)	69	2270	.8		53.5	650
EQT551	S-30B - RLA-3 COMPRESSOR ENGINE (VPC-101B)	74	2421	.8		53.5	650
EQT552	S-30C - RLA-3 COMPRESSOR ENGINE (VPC-101C)	64	2095	.8		53.5	650
EQT553	S-30D - RLA-3 COMPRESSOR ENGINE (VPC-101D)	69	2251	.8		53.5	650
EQT554	S-30E - RLA-3 COMPRESSOR ENGINE (VPC-101E)	71	2333	.8		53.5	650
EQT555	S-30F - RLA-3 COMPRESSOR ENGINE (VPC-101F)	68	2214	.8		53.5	650
EQT556	S-30G - RLA-3 COMPRESSOR ENGINE (VPC-101G)	136	4451	.8		53.5	650
EQT557	T-110 - RUBBER/WATER STORAGE TANK			21		29	
EQT558	T-120 - RUBBER/WATER STORAGE TANK			21		29	
EQT559	T-130 - WATER TANK			12		21	

INVENTORIES

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

Stack Information:

ID	Name	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT560	T-135 - RUBBER/WATER STORAGE TANK			8		5	
EQT561	T-140 - WATER TANK			12		21	
EQT562	T-150 - REPROCESSING POLYMER TANK			12		12	
EQT563	T-160 - RUBBER/WATER STORAGE TANK			12		12	
EQT564	T-1928 - EXTENSION OIL STORAGE TANK			35		30	
EQT565	T-1929 - HEXANE STORAGE TANK			35		31.5	
EQT566	T-1979 - ENB STORAGE TANK			20		24	
EQT567	T-1980 - VNB STORAGE TANK			15		16	
EQT568	T-2001 - EXTENSION OIL STORAGE TANK (VDTK-2001)			30		34	
EQT570	T-8 - COOLING WATER STORAGE TANK			8		16	
EQT571	V-93 - REACTOR SAMPLE PREPARATION VENT			1		30	150
FUG032	M-13 - POLY / WATER SEPARATOR EMISSIONS			3		3	
GRP028	T-3304 - CATALYST DRUMS			1		100	
GRP140	M-49 - MISTALON FINISHING EMISSIONS CAP			3	116	37.5	

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP112	213	MM Lb/Yr	0580 - Rubber Manufacture (Rated Capacity)

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	2,2,4-Trimethylpentane			Ammonia			Benzene			Chlorine			Cumene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 546 C-08B															
EQT 549 S-28B															
EQT 555 T-1929															
EQT 566 T-1979	0.002		0.01				0.002		0.01			0.002		0.01	
EQT 567 T-1980	0.002		0.01				0.002		0.01			0.002		0.01	
EQT 570 T-8															
EQT 571 V-33															
FUG 031 M-12															
FUG 032 M-13															
FUG 033 M-14															
FUG 034 M-15															
FUG 035 M-16															
FUG 036 M-84	0.002		0.01				0.002		0.01			0.002		0.01	
FUG 037 U-119	0.002		0.01	0.002		0.01	0.002		0.01			0.002		0.01	
FUG 039 U-46E	0.002		0.01				0.002		0.01			0.002		0.01	
FUG 040 U-47L	0.002		0.01				0.002		0.01			0.002		0.01	
GRP 028 T-3304										0.01		0.06			
GRP 140 M-49															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Ethyl benzene			Hydrochloric acid			Naphthalene			Styrene			Toluene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 546 C-08B															
EQT 549 S-29B			9.2	106.7		40.34									
EQT 565 T-1929															
EQT 566 T-1979	0.002		0.01				0.002		0.01	0.002		0.01		0.002	
EQT 567 T-1980	0.002		0.01				0.002		0.01	0.002		0.01		0.002	
EQT 570 T-8															
EQT 571 V-83															
FUG 031 M-12															
FUG 032 M-13															
FUG 033 M-14															
FUG 034 M-15															
FUG 035 M-16															
FUG 036 M-84	0.002		0.01				0.002		0.01	0.002		0.01		0.002	
FUG 037 U-19	0.002		0.01				0.002		0.01	0.002		0.01		0.002	
FUG 039 U-46E	0.002		0.01				0.002		0.01	0.002		0.01		0.002	
FUG 040 U-47L	0.002		0.01				0.002		0.01	0.002		0.01		0.002	
GRP 028 T-3304															
GRP 140 M-49															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

All phases

Xylyne (mixed isomers)				n-Hexane			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 546				0.05		0.021	
C-08B				0.07	0.39	0.32	
EQT 549				0.09		0.041	
S-28B				0.01		0.001	
EQT 565				0.002		0.001	
T-192B				0.001		0.001	
EQT 566	0.002			0.002		0.001	
T-1919				0.001		0.001	
EQT 567	0.002			0.002		0.001	
T-1980				0.001		0.001	
EQT 570				0.17		0.075	
T-8				2.1	51.5	9.09	
EQT 571							
V-93							
FUG 031					8.2		
M-12							
FUG 032				1.7		0.745	
M-13							
FUG 033					923.6		
M-14							
FUG 034					340.3		
M-15							
FUG 035					1163.9		
M-16							
FUG 036	0.002			0.01	1.9	0.843	
M-4a							
FUG 037	0.002			0.01	1.3	0.519	
U-119							
FUG 039	0.002			0.01	0.002	0.001	
U-46E							
FUG 040	0.002			0.01	0.002	0.001	
U-47L							
GRP 028					0.75	0.329	
T-3304							
GRP 140					140.6	61.537	
M-49							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

All phases

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

2,2,4-Trimethylpentane: 0.06 tons/yr

Benzene: 0.06 tons/yr

Cumene: 0.06 tons/yr

Ethyl benzene: 0.06 tons/yr

n-Hexane: 651.56 tons/yr

Naphthalene: 0.06 tons/yr

Styrene: 0.06 tons/yr

Toluene: 0.06 tons/yr

Xylene (mixed isomers): 0.06 tons/yr

Emission Rates Notes:

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 546 C-08B	2.3	2.5	10										0.8		3.5
EQT 547 C-08E	0.58	0.63	2.52										0.2		0.88
EQT 548 C-16	0.2	0.21	0.85												
EQT 549 S-29B	0.11	0.61	0.5				1.5	7.7	6.37	1.3	6.7	5.54	0.08	0.44	0.36
EQT 550 S-30A		0.25			0.003			36.4			5.2			0.63	
EQT 551 S-30B		0.25			0.003			36.4			5.2			0.63	
EQT 552 S-30C		0.25			0.003			36.4			5.2			0.63	
EQT 553 S-30D		0.25			0.003			36.4			5.2			0.63	
EQT 554 S-30E		0.25			0.003			36.4			5.2			0.63	
EQT 555 S-30F		0.25			0.003			36.4			5.2			0.63	
EQT 556 S-30G		0.39			0.005			57		28				0.98	
EQT 564 T-1928													0.002		0.01
EQT 565 T-1929													0.15		0.67
EQT 566 T-1979													0.1		0.43
EQT 567 T-1980													0.08		0.33
EQT 568 T-8													0.002		0.01
EQT 571 v.93													1		4.4
													3.2	79.2	13.98

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
 Activity Number: PER19960025
 Permit Number: 2376-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 031 M-12															11.9
FUG 032 M-13															8.43
FUG 033 M-14															1112.6
FUG 034 M-15															418.1
FUG 035 M-16															1398.9
FUG 036 M-84															14.44
FUG 037 U-119															16.95
FUG 038 U-24															3.3
FUG 039 U-40E															3.9
FUG 040 U-47L															0.13
GRP 028 T-3304															0.56
GRP 140 M-49															0.46
GRP 141 S-30	0.87	3.81	0.01				0.05	65.3	286	7.56	33.11	2.16			9.46

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 17.68 tons/yr
 SO2: 0.05 tons/yr
 NOx 292.37 tons/yr
 CO: 38.65 tons/yr
 VOC: 837.46 tons/yr

EMISSION RATES FOR CRITERIA POLLUTANTS

AJ ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

All phases

Emission rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

EQT546 C-08B - GFLA-2/5/6 COOLING TOWERS (RLA-3 EMISSIONS)

- 1 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.51.09.A]
- 2 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified
- 3 Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]
- 4 Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]
- 5 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]
- 6 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy continuously. Retain the records identified in 40 CFR 63.104(f)(1) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]
- 7 Comply with the requirements of 40 CFR 63.104, except as specified in 40 CFR 63.502(n). Subpart U. [40 CFR 63.502(n)]

EQT549 S-29B - VPT-103 RESIDUE TO WASTE BOILER B-601(RLA-3)

- 8 Fuel-burning equipment: Control the emission of smoke from any combustion unit (other than a flare) or from any type of burning in a combustion unit (other than a flare) so that the shade or appearance of the emission is not darker than 20 percent average opacity as to obscure vision to a degree equivalent to the above (see Table 4, Chapter 15) except that emitted during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal, and rapping of precipitators which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- 9 Fuel-burning equipment: Do not cause, suffer, allow or permit the emission of particulate matter to the atmosphere in excess of 0.6 pounds per 10⁶ BTU of heat input from any fuel burning equipment utilized for the primary purpose of producing steam, hot water, hot air or other indirect heating of liquids, gases, or solids where the products of combustion do not have direct contact with process materials. [LAC 33:III.1313.C]
- 10 Nitrogen oxides <= 0.10 lb/MMBTU. [LAC 33:III.2201.D.1]
- Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 11 Implement procedures to operate the boiler within the fuel and oxygen limits established during the initial compliance run in accordance with LAC 33:III.2201.G to continuously demonstrate compliance with the NO_x limits of LAC 33:III.2201.D or E [LAC 33:III.2201.H.1.b.iii]
- 12 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing [LAC 33:III.2201.I.1]
- 13 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

EQT549 S-29B - VPT-103 RESIDUE TO WASTE BOILER B-601(RLA-3)

- 14 Submit report. Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.1.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 15 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.1.3 and I.4 as applicable. [LAC 33:III.2201.I.]
- 16 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.51.09.A]
- 17 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

18 Comply with the requirements of 40 CFR 63.113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]

19 There are no emission limits or work practice standards for existing boilers and process heaters that burn gaseous fuels only. The affected source must comply only with the Initial Notification requirements in 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

EQT550 S-30A - RLA-3 COMPRESSOR ENGINE (VPC-101A)

- 20 Fuel-burning equipment Control the emission of smoke from any combustion unit (other than a flare) or from any type of burning in a combustion unit (other than a flare) so that the shade or appearance of the emission is not darker than 20 percent average opacity as to obscure vision to a degree equivalent to the above (see Table 4, Chapter 15) except that emitted during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal, and rapping of precipitators which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- 21 Fuel-burning equipment Control the emission of particulate matter so that the shade or appearance of the emission is not denser than 20 percent average opacity, except the emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- 22 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.4.a]

Which Months: May-Sep Statistical Basis: None specified

- 23 Perform annual testing for NO_x and CO with an approved portable analyzer. [LAC 33:III.2201.H.4.a]
- 24 Perform triennial stack testing for NO_x and CO in accordance with the methods specified in LAC:III.2201.G.5. [LAC 33:III.2201.H.4.a]
- 25 Operate the engine within the fuel limits established during the initial compliance run. [LAC 33:III.2201.H.4.a]
- 26 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.]
- 27 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 28 Submit report Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.1.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 29 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.1.3 and I.4 as applicable. [LAC 33:III.2201.I]

EQT551 S-30B - RLA-3 COMPRESSOR ENGINE (VPC-101B)

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960025
Permit Number: 2376-V0
Air - Title V Regular Permit Initial

EQT551 S-30B - RLA-3 COMPRESSOR ENGINE (VPC-101B)

30 Fuel-burning equipment Control the emission of smoke from any combustion unit (other than a flare) or from any type of burning in a combustion unit (other than a flare) so that the shade or appearance of the emission is not darker than 20 percent average opacity as to obscure vision to a degree equivalent to the above (see Table 4, Chapter 15) except that emitted during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal, and rapping of precipitators which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]

31 Fuel-burning equipment Control the emission of particulate matter so that the shade or appearance of the emission is not denser than 20 percent average opacity, except the emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.3101.C]

32 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.4.a]

33 Perform annual testing for NOx and CO with an approved portable analyzer. [LAC 33:III.2201.H.4.a]

34 Perform triennial stack testing for NOx and CO in accordance with the methods specified in LAC:III.2201.G.5. [LAC 33:III.2201.H.4.a]

35 Operate the engine within the fuel limits established during the initial compliance run. [LAC 33:III.2201.H.4.a]

36 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1.]

37 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1.]

38 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.d. [LAC 33:III.2201.I.2.]

39 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I.]

EQT552 S-30C - RLA-3 COMPRESSOR ENGINE (VPC-101C)

40 Fuel-burning equipment Control the emission of smoke from any combustion unit (other than a flare) or from any type of burning in a combustion unit (other than a flare) so that the shade or appearance of the emission is not darker than 20 percent average opacity as to obscure vision to a degree equivalent to the above (see Table 4, Chapter 15) except that emitted during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal, and rapping of precipitators which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]

41 Fuel-burning equipment Control the emission of particulate matter so that the shade or appearance of the emission is not denser than 20 percent average opacity, except the emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.3101.C]

42 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.4.a]

43 Perform annual testing for NOx and CO with an approved portable analyzer. [LAC 33:III.2201.H.4.a]

44 Perform triennial stack testing for NOx and CO in accordance with the methods specified in LAC:III.2201.G.5. [LAC 33:III.2201.H.4.a]

45 Operate the engine within the fuel limits established during the initial compliance run. [LAC 33:III.2201.H.4.a]

46 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1.]

47 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1.]

48 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.d. [LAC 33:III.2201.I.2.]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

EQT552 S-30C - RLA-3 COMPRESSOR ENGINE (VPC-101C)

49 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I.]

EQT553 S-30D - RLA-3 COMPRESSOR ENGINE (VPC-101D)

50 Fuel-burning equipment: Control the emission of smoke from any combustion unit (other than a flare) or from any type of burning in a combustion unit (other than a flare) so that the shade or appearance of the emission is not darker than 20 percent average opacity as to obscure vision to a degree equivalent to the above (see Table 4, Chapter 15) except that emitted during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal, and rapping of precipitators which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]

51 Fuel-burning equipment: Control the emission of particulate matter so that the shade or appearance of the emission is not denser than 20 percent average opacity, except the emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]

52 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.4.a]

53 Which Months: May-Sep Statistical Basis: None specified

54 Perform annual testing for NOx and CO with an approved portable analyzer. [LAC 33:III.2201.H.4.a]

55 Perform triennial stack testing for NOx and CO in accordance with the methods specified in LAC III.2201.G.5. [LAC 33:III.2201.H.4.a]

56 Operate the engine within the fuel limits established during the initial compliance run. [LAC 33:III.2201.H.4.a]

56 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.J.1]

57 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.J.1. [LAC 33:III.2201.I.1]

58 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.d. [LAC 33:III.2201.I.2]

59 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I.]

EQT554 S-30E - RLA-3 COMPRESSOR ENGINE (VPC-101E)

60 Fuel-burning equipment: Control the emission of smoke from any combustion unit (other than a flare) or from any type of burning in a combustion unit (other than a flare) so that the shade or appearance of the emission is not darker than 20 percent average opacity as to obscure vision to a degree equivalent to the above (see Table 4, Chapter 15) except that emitted during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal, and rapping of precipitators which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]

61 Fuel-burning equipment: Control the emission of particulate matter so that the shade or appearance of the emission is not denser than 20 percent average opacity, except the emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]

62 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.4.a]

63 Which Months: May-Sep Statistical Basis: None specified

64 Perform annual testing for NOx and CO with an approved portable analyzer. [LAC 33:III.2201.H.4.a]

64 Perform triennial stack testing for NOx and CO in accordance with the methods specified in LAC III.2201.G.5. [LAC 33:III.2201.H.4.a]

65 Operate the engine within the fuel limits established during the initial compliance run. [LAC 33:III.2201.H.4.a]

66 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-Y0

Air - Title V Regular Permit Initial

EQT554 S-30E - RLA-3 COMPRESSOR ENGINE (VPC-101E)

- 67 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 68 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 69 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I.]

EQT555 S-30F - RLA-3 COMPRESSOR ENGINE (VPC-101F)

- 70 Fuel-burning equipment: Control the emission of smoke from any combustion unit (other than a flare) or from any type of burning in a combustion unit (other than a flare) so that the shade or appearance of the emission is not darker than 20 percent average opacity as to obscure vision to a degree equivalent to the above (see Table 4, Chapter 15) except that emitted during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal, and rapping of precipitators which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]
- 71 Fuel-burning equipment: Control the emission of particulate matter so that the shade or appearance of the emission is not denser than 20 percent average opacity, except the emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]
- 72 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.4.a]
- 73 Which Months: May-Sep Statistical Basis: None specified
- 74 Perform annual testing for NOx and CO with an approved portable analyzer. [LAC 33:III.2201.H.4.a]
- 75 Operate the engine within the fuel limits established during the initial compliance run. [LAC 33:III.2201.H.4.a]

- 76 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 77 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 78 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 79 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I.]

EQT556 S-30G - RLA-3 COMPRESSOR ENGINE (VPC-101G)

- 80 Fuel-burning equipment: Control the emission of smoke from any combustion unit (other than a flare) or from any type of burning in a combustion unit (other than a flare) so that the shade or appearance of the emission is not darker than 20 percent average opacity as to obscure vision to a degree equivalent to the above (see Table 4, Chapter 15) except that emitted during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal, and rapping of precipitators which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]
- 81 Fuel-burning equipment: Control the emission of particulate matter so that the shade or appearance of the emission is not denser than 20 percent average opacity, except the emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]
- 82 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.4.a]
- 83 Which Months: May-Sep Statistical Basis: None specified
- 84 Perform annual testing for NOx and CO with an approved portable analyzer. [LAC 33:III.2201.H.4.a]
- 85 Perform triennial stack testing for NOx and CO in accordance with the methods specified in LAC:III.2201.G.5. [LAC 33:III.2201.H.4.a]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

EQT556 S-30G - RLA-3 COMPRESSOR ENGINE (VPC-101G)

- 85 Operate the engine within the fuel limits established during the initial compliance run. [LAC 33:III.2201.H.4.a]
- 86 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.I.]
- 87 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.I. [LAC 33:III.2201.I.I.]
- 88 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 89 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I.]
- 90 There are no emission limits or work practice standards required for existing lean burn stationary reciprocating internal combustion engines (RICE) under this subpart or Subpart A of this part. No initial notification is required. Compressor engine G is a 2 stroke lean burn engine and has a 600-hp rated capacity. [40 CFR 63.6590(b)(3)]

EQT557 T-110 - RUBBER/WATER STORAGE TANK

- 91 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT558 T-120 - RUBBER/WATER STORAGE TANK

- 92 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT559 T-130 - WATER TANK

- 93 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT560 T-135 - RUBBER/WATER STORAGE TANK

- 94 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT561 T-140 - WATER TANK

- 95 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT562 T-150 - REPROCESSING POLYMER TANK

- 96 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT563 T-160 - RUBBER/WATER STORAGE TANK

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

EQT563 T-160 - RUBBER/WATER STORAGE TANK

97 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT565 T-1929 - HEXANE STORAGE TANK

- 98 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 99 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. [LAC 33:III.2103.C.1.a]
- 100 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 101 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3. a-e. [LAC 33:III.2103.H.3]
- 102 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.J]
- 103 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]
- 104 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, or a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.1121. Subpart G. [40 CFR 63.119(a)(1)]
- 105 Internal floating roof. Ensure that the internal floating roof is floating on the surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(b)(1) through (b)(1)(xii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(b)]
- 106 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) according to the schedule specified in 40 CFR 63.120(a)(2) and (a)(3). Subpart G. [40 CFR 63.120(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 107 Repair storage vessel or empty and remove from service within 45 calendar days, if during the inspections required by 40 CFR 63.120(a)(2)(i) or (a)(3)(ii), any of the conditions specified in 40 CFR 63.120(a)(4) are found. Subpart G. [40 CFR 63.120(a)(4)]
- 108 If any of the conditions listed in 40 CFR 63.120(a)(2)(ii), (a)(3)(i), or (a)(3)(iii), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(a)(7)]
- 109 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(a)(4)
- 110 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]
- 111 Comply with the requirements of 40 CFR 63.119 through 63.123 and 63.148, with the differences noted in 40 CFR 63.484(b) through (s). Subpart U. [40 CFR 63.484(a)]
- 112 Submit Periodic Report Due semiannually no later than 60 days after the end of each 6-month period. Submit the first report no later than 240 days after the date the Notification of Compliance Status is due. Submit the information specified in 40 CFR 63.506(e)(6)(i) through (e)(6)(xi). Subpart U. [40 CFR 63.506(e)(6)]
- 113 Submit notifications of inspections required by 40 CFR 63.484, as specified in 40 CFR 63.122(h)(1) and (h)(2). Subpart U. [40 CFR 63.506(e)(7)(i)]

EQT566 T-1979 - ENB STORAGE TANK

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

EQT566 T-1979 - ENB STORAGE TANK

114 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No control is determined as MACT. [LAC 33:III.5109.A]

EQT567 T-1980 - VNB STORAGE TANK

115 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No control is determined as MACT. [LAC 33:III.5109.A]

EQT568 T-2001 - EXTENSION OIL STORAGE TANK (VDTK-2001)

116 Storage vessel is exempt from the standards and monitoring requirements of this subpart since it stores a liquid with maximum true vapor pressure<1.0 psia. [40 CFR 60.113(d)(1)]

EQT570 T-8 - COOLING WATER STORAGE TANK

117 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT571 V-93 - REACTOR SAMPLE PREPARATION VENT

118 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.21.5.K]

119 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

120 This Reactor Sample Vent does not meet the requirements of 40 CFR 63 Subpart U for a sample connection system. This issue was identified via the provisions of the Ozone Administrative Order On Consent No. AE-AOA-05-0029. Permittee shall implement the following schedule to comply with 40 CFR 63.502(a):

1. Complete project development by April 1, 2006
2. Complete design estimate by June 1, 2006
3. Complete minor capital order approval by August 1, 2006
4. Complete engineering by November 1, 2006
5. Complete construction and initiation of startup by March 1, 2007

Permittee shall submit semiannual progress reports due by August 1 to cover January through June and by February 1 to cover July through December. Permittee shall notify the Department within 30 days of completion of the project. [LAC 33:III.5109]

121 Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.1.66(b). Subpart H. [40 CFR 63.166]

122 Comply with the requirements of 40 CFR 63 Subpart H, except as specified in 40 CFR 63.502(b) through (m). Subpart U. [40 CFR 63.502(a)]

EQT575 T-3267 - FEED SURGE DRUM(VPD-207)

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

EQT575 T-3267 - FEED SURGE DRUM(VPD-207)

123 Storage vessels (storage capacity of >250 gallons and <=40,000 gallons used to store any volatile organic compound with a maximum true vapor pressure of 1.5 psia or greater at storage conditions): Equip with a submerged fill pipe or a vapor loss control system consisting of a gathering system capable of collecting the volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors that reduces inlet emissions of total volatile organic compounds by 95 percent or greater. If the vapor loss control system was installed on or before December 31, 1992, then inlet emissions of total volatile organic compounds must be reduced by 90 percent or greater. [LAC 33:III.2103.A]

124 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]

Which Months: All Year Statistical Basis: None Specified

125 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]

126 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

127 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

EQT576 T-3268 - VPT-103 FEED DRUM(VPD-132)

128 Storage vessels (storage capacity of >250 gallons and <=40,000 gallons used to store any volatile organic compound with a maximum true vapor pressure of 1.5 psia or greater at storage conditions): Equip with a submerged fill pipe or a vapor loss control system consisting of a gathering system capable of collecting the volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors that reduces inlet emissions of total volatile organic compounds by 95 percent or greater. If the vapor loss control system was installed on or before December 31, 1992, then inlet emissions of total volatile organic compounds must be reduced by 90 percent or greater. [LAC 33:III.2103.A]

129 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]

Which Months: All Year Statistical Basis: None Specified

130 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]

131 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

132 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

133 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT578 T-3273 - HEXANE STORAGE DRUM(VHD-103)

134 Storage vessels (storage capacity of >250 gallons and <=40,000 gallons used to store any volatile organic compound with a maximum true vapor pressure of 1.5 psia or greater at storage conditions): Equip with a submerged fill pipe or a vapor loss control system consisting of a gathering system capable of collecting the volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors that reduces inlet emissions of total volatile organic compounds by 95 percent or greater. If the vapor loss control system was installed on or before December 31, 1992, then inlet emissions of total volatile organic compounds must be reduced by 90 percent or greater. [LAC 33:III.2103.A]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

EQT578 T-3273 - HEXANE STORAGE DRUM (VHD-103)

135 VOC, Total $\geq 90\%$ control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.2]

Which Months: All Year Statistical Basis: None specified

136 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]

137 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3-a-e. [LAC 33:III.2103.H.3]

138 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

139 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT579 T-3274 - ETHANOL STORAGE DRUM (VCD-905)

140 Storage vessels (storage capacity of >250 gallons and $\leq 40,000$ gallons used to store any volatile organic compound with a maximum true vapor pressure of 1.5 psia or greater at storage conditions): Equip with a submerged fill pipe or a vapor loss control system consisting of a gathering system capable of collecting the volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors that reduces inlet emissions of total volatile organic compounds by 95 percent or greater. If the vapor loss control system was installed on or before December 31, 1992, then inlet emissions of total volatile organic compounds must be reduced by 90 percent or greater. [LAC 33:III.2103.A]

141 VOC, Total $\geq 90\%$ control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.2]

Which Months: All Year Statistical Basis: None specified

142 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]

143 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3-a-e. [LAC 33:III.2103.H.3]

144 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

145 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT580 T-3275 - AMMONIA DRUM (VCD-501X)

146 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT583 T-3304A - CATALYST DRUM (VCD-107A)

147 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT584 T-3304B - CATALYST DRUM (VCD-107B)

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

EQT584 T-3304B - CATALYST DRUM(VCD-107B)

148 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT585 T-3304C - CATALYST DRUM(VCD-107C)

149 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT586 T-3304D - CATALYST DRUM(VCD-107D)

150 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT587 T-3304E - CATALYST DRUM(VCD-901)

151 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT588 T-3304F - CATALYST DRUM(VCD-902)

152 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT589 T-3304G - CATALYST DRUM(VCD-903)

153 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT590 T-3304H - CATALYST DRUM(VCD-904)

154 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT591 T-3305 • VNü RECYCLE DRUM(VHD-101A)

155 Storage vessels (storage capacity of >250 gallons and <=40,000 gallons used to store any volatile organic compound with a maximum true vapor pressure of 1.5 psia or greater at storage conditions): Equip with a submerged fill pipe or a vapor loss control system consisting of a gathering system capable of collecting the volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors that reduces inlet emissions of total volatile organic compounds by 95 percent or greater. If the vapor loss control system was installed on or before December 31, 1992, then inlet emissions of total volatile organic compounds must be reduced by 90 percent or greater. [LAC 33:III.2I.03.A]

156 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2I.03.E.2]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

EQT591 T-3305 - VNB RECYCLE DRUM(VHD-101A)

- 157 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]
- 158 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 159 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 160 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

EQT592 T-3306 - VNB RECYCLE DRUM(VHD-101B)

- 161 Storage vessels (storage capacity of >250 gallons and <=40,000 gallons used to store any volatile organic compound with a maximum true vapor pressure of 1.5 psia or greater at storage conditions): Equip with a submerged fill pipe or a vapor loss control system consisting of a gathering system capable of collecting the volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors that reduces inlet emissions of total volatile organic compounds by 95 percent or greater. If the vapor loss control system was installed on or before December 31, 1992, then inlet emissions of total volatile organic compounds must be reduced by 90 percent or greater. [LAC 33:III.2103.A]
- 162 VOC, Total => 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
- Which Months: All Year Statistical Basis: None specified
- 163 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]
- 164 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 165 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 166 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

FUG031 M-12 - CONVEYOR DISTRIBUTION CENTER (CDC)

- 167 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 168 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]
- 169 Compliance is established under the back-end process provisions of Subpart U for the VISTALON Finishing Emissions Cap (Emission Point No. M-49). [40 CFR 63.493]

FUG032 M-13 - POLY./WATER SEPARATOR EMISSIONS

- 170 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2109.D.2. [LAC 33:III.2109.D.2]
- 171 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

FUG032 M-13 - POLY. / WATER SEPARATOR EMISSIONS

172 Compliance is established under the back-end process provisions of Subpart U for the VISTALON Finishing Emissions Cap (Emission Point No. M-49). [40 CFR 63.493]

FUG033 M-14 - EXP ANDER AIRVEY FLUID BED CONVEYER EXHAUST

173 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

174 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.51.09.A]

175 Compliance is established under the back-end process provisions of Subpart U for the VISTALON Finishing Emissions Cap (Emission Point No. M-49). [40 CFR 63.493]

FUG034 M-15 - WET AIRVEY EXHAUST

176 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

177 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.51.09.A]

178 Compliance is established under the back-end process provisions of Subpart U for the VISTALON Finishing Emissions Cap (Emission Point No. M-49). [40 CFR 63.493]

FUG035 M-16 - SLURRY SYSTEM EXHAUST

179 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

180 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.51.09.A]

181 Compliance is established under the back-end process provisions of Subpart U for the VISTALON Finishing Emissions Cap (Emission Point No. M-49). [40 CFR 63.493]

FUG036 M-84 - SEC. WASTEWATER EMI. (VISTALON TO AWT)

182 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No control is determined as MACT. [LAC 33:III.51.09.A]

183 For wastewater streams that have a flow-weighted annual average benzene concentration <10 ppmw, demonstrate at least once per year that the flow-weighted annual average benzene concentration is still <10 ppmw. [40 CFR 61.342(c)(2)]

184 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (1). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

185 Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

FUG036 M-84 - SEC. WASTEWATER EMI. (VISTALON TO AWT)

- 186 Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1) or (a)(f)(ii), and (a)(J)(iii). Subpart G. [40 CFR 63.132(a)(1)]
- 187 Determine total annual average concentration of Table 9 compounds according to the procedures in 40 CFR 63.1.44(b), and determine annual average flow rate according to the procedures in 40 CFR 63.1.44(c), to determine whether a wastewater stream is Group 1 or Group 2 for Table 9 compounds. Subpart G. [40 CFR 63.1.32(c)]
- 188 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.1.47]

- 189 Comply with the requirements of 40 CFR 63.1.32 through 63.1.48, except as specified in 40 CFR 63.501 (a)(1) through (a)(23) and (c). Subpart U. [40 CFR 63.501 (a)]

- 190 Submit Periodic Report Due semiannually no later than 60 days after the end of each 6-month period. Submit the first report no later than 240 days after the date the Notification of Compliance Status is due, covering the 6-month period beginning on the date the Notification of Compliance Status is due. Submit the information specified in 40 CFR 63.506(e)(6)(i) through (e)(6)(xii). Subpart U. [40 CFR 63.506(e)(6)]

FUG037 U-119 - RLA-3 FUGITIVE EMISSIONS

- 191 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 192 Comply with 40 CFR Part 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [LAC 33:III.21.22]
- 193 Comply with 40 CFR Part 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [LAC 33:III.51.09]
- 194 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.1.62(b) and 40 CFR 63.1.67(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.1.67]
- 195 Comply with 40 CFR Part 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [40 CFR 63. Subpart U]

FUG038 U-24 - VFU FUGITIVE EMISSIONS

- 196 Do not locate any valve, except safety pressure relief valves, at the end of a pipe or line containing volatile organic compounds unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device. [LAC 33:III.21.22.C.2]

FUG039 U-46E - DILARACK FUGITIVE EMISSIONS (VISTALON)

- 197 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 198 Comply with 40 CFR Part 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [LAC 33:III.21.22]
- 199 Comply with 40 CFR Part 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [LAC 33:III.51.09]
- 200 Comply with 40 CFR Part 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [40 CFR 60. Subpart VV]
- 201 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.1.62(b) and 40 CFR 63.1.67(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.1.67]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant
Activity Number: PER19960025
Permit Number: 2376-V0
Air - Title V Regular Permit Initial

FUG039 U-46E - DILARACK FUGITIVE EMISSIONS (VISTALON)

202 Comply with 40 CFR Part 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [40 CFR 63. Subpart U]

FUG040 U-47L - ACLARACK FUGITIVE EMISSIONS (VISTALON)

203 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111.]

204 Comply with 40 CFR Part 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [LAC 33:III.2122]

205 Comply with 40 CFR Part 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [LAC 33:III.5109]

206 Comply with 40 CFR Part 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A. [40 CFR 60. Subpart VV]

207 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.1.62(b) and 40 CFR 63.1.67(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.1.67]

GRP112 VISTALON PRODUCTION FACILITY

208 Facility-wide: Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

209 Facility-wide: Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]

210 Facility-wide: Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

211 Facility-wide: Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.305.1.7. [LAC 33:III.1305]

212 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1.5. [LAC 33:III.2113.A]

213 2,2,4-Trimethylpentane <= 0.06 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

214 Benzene <= 0.06 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

215 Cumene <= 0.06 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

216 Ethyl benzene <= 0.06 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

217 Naphthalene <= 0.06 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

218 n-Hexane <= 651.56 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

219 Styrene <= 0.06 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

GRP112 VISTALON PRODUCTION FACILITY

- 220 Toluene <= 0.06 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
221 Xylene (mixed isomers) <= 0.06 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
222 Carbon monoxide <= 38.65 tons/yr. [LAC 33:III.501]
Which Months: All Year Statistical Basis: Annual maximum
223 Nitrogen oxides <= 292.37 tons/yr. [LAC 33:III.501]
Which Months: All Year Statistical Basis: Annual maximum
224 Particulate matter (10 microns or less) <= 17.68 tons/yr. [LAC 33:III.501]
Which Months: All Year Statistical Basis: Annual maximum
225 Sulfur dioxide <= 0.05 tons/yr. [LAC 33:III.501]
Which Months: All Year Statistical Basis: Annual maximum
226 VOC Total <= 837.46 tons/yr. [LAC 33:III.501]
Which Months: All Year Statistical Basis: Annual maximum
227 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
228 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
229 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
230 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
231 Submit initial annual emissions report (TEDI) to DEQ within 180 days of December 20, 1991. Identify the quantity of emissions of toxic air pollutants listed in Table 51.1 for the calendar year 1991. [LAC 33:III.5107.A.1]
232 Submit Annual Emissions Report (TEDI). Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
233 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
234 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
235 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.5107.B.2] there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:I.3923. [LAC 33:III.5107.B.2]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

GRP112 VISTALON PRODUCTION FACILITY

- 236 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]
- 237 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.i through viii. [LAC 33:III.5107.B.4]
- 238 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 239 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 240 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112. Table 51.2. [LAC 33:III.5109.B.]
- 241 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C.]
- 242 Obtain a Louisiana Air Permit in accordance with LAC 33:I.701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1.]
- 243 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 244 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A.]
- 245 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 246 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 247 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 248 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 249 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 250 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 251 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 252 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 253 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376.V0

Air - Title V Regular Permit Initial

GRP112 VISTALON PRODUCTION FACILITY

- 254 Submit performance evaluation report. Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 255 Submit notification in writing. Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 256 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 257 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 258 Submit report. Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 259 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 260 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 261 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system [LAC 33:III.5113.C.5]
- 262 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 263 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.561.1. Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 264 Facility-wide: Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by DEQ. [LAC 33:III.561.1.A]
- 265 Facility-wide: During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by DEQ to enforce these regulations. [LAC 33:III.561.1.B]
- 266 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 267 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 268 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 269 Facility-wide (meeting applicability requirements in LAC 33:III.919.A.1): Submit Emission Inventory by March 31st of each year for the period January 1 to December 31 of the previous year. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s) as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-Y0

Air - Title V Regular Permit Initial

GRP112 VISTALON PRODUCTION FACILITY

- 270 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 271 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 272 A facility at which the total annual benzene(TAB) quantity from facility waste is greater than 1.0 Mg/yr may exempt up to 2.0 Mg/yr of benzene -containing wastes with a flow - weighted annual average benzene concentration >=1.0 ppmw from the control requirements. This 2.0 Mg exemption is for the entire BRCP site. The VistaLon Unit is part of the BRCP site. [40 CFR 61.342(a)]
- 273 CONTAINERS: Each container having a capacity >=0.1 cubic meter(26.4 gallons) into which benzene-containing waste with a flow-weighted annual average benzene concentration >=1.0 ppmw is placed shall be in compliance with the Container Standards in 40 CFR 61.345, or the waste stream must be included in the sitewide 2.0 Mg exemption list. [40 CFR 61.342(c)(3)(i)]
- 274 Containers: Exempt from monitoring. Containers that have capacities <0.42 cubic meters (111 gallons) and meet DOT specifications and testing requirements under 49 CFR 178 and that hold benzene-containing wastes with a flow weighted annual average benzene concentration >=1.0 ppmw are exempt from Method 21 monitoring requirements. [40 CFR 61.342(c)(3)]
- 275 Cover: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.345(a)(1)(i)]
- 276 Cover: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that the cover and all openings are closed and gasketed properly. Subpart FF. [40 CFR 61.345(b)]
- Which Months: All Year Statistical Basis: None specified
- 277 Make first efforts at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gasket or other problem is identified, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.345(c)]
- 278 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. [40 CFR 61.346(b)(4)]
- Which Months: All Year Statistical Basis: None specified
- 279 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]
- 280 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 281 Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]
- 282 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 283 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

GRP112 VISTALON PRODUCTION FACILITY

- 284 Submit report. Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 285 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 286 The unit is an elastomer product process unit that is subject to the Group I Polymers and Resins NESHAP and complies with applicable provisions of 40 CFR 63, Subpart U. [40 CFR 63.5Subpart U]

287 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 1 of 40 CFR 63 Subpart U. [40 CFR 63]

288 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 1 of 40 CFR 63 Subpart U. [40 CFR 63]

289 Develop a management system to oversee the implementation of the risk management program elements. [40 CFR 68.15(a)]

290 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

291 Submit Title V monitoring results report. Due semiannually, by March 31 st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(ii)(A)]

292 Submit Title V excess emissions report. Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(ii)(B)]

293 Submit Title V compliance certification. Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

GRP140 M-49 - VISTALON FINISHING EMISSIONS CAP

294 Permittee shall comply with the VOC emission limit of 757.08 TPY for Emission Point No. M-49 (CAP), which consists of Emission Points M-12, M-14, M-15, M-16, T-110, T-120, T-130, T-135, T-140, T-150, & T-160. The emissions from M-49(CAP) shall be calculated and recorded each month, as well as the total for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Emissions above the maximum listed in this specific condition for any twelve consecutive months period shall be a violation of this permit and must be report to the Office of Environmental Compliance, Enforcement Division. A report showing the twelve consecutive months VOC emission shall be submitted to Office by Environmental Compliance, Enforcement Division by March 31 for the proceeding calendar year. [LAC 33:III.501.C.6]

295 Organic HAP < 8 kg/Mg crumb rubber (dry weight). Subpart U. [40 CFR 63.494(a)(3)(i)]

Which Months: All Year Statistical Basis: Monthly average

296 Demonstrate compliance with the residual organic HAP limitations in 40 CFR 63.494(a) by using the periodic sampling procedures in 40 CFR 63.495(b), or using the stripper parameter monitoring procedures in 40 CFR 63.495(c). Determine the monthly weighted average residual organic HAP content for each month in which any portion of the back-end of an elastomer production process is in operation. Determine a single monthly weighted average for all back-end process operations at the affected source. Subpart U. [40 CFR 63.495(a)]

297 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.498(a) through (d), as applicable. Subpart U. [40 CFR 63.498]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

GRP140 M-49 - VISTALON FINISHING EMISSIONS CAP

298 Submit report. Due within 180 days after a process change, as defined in 40 CFR 63.496(d), is made that causes the redetermination of the compliance status for the back-end process operations, as specified in 40 CFR 63.506(e)(7)(iii). Include in the report a description of the process change; the results of the redetermination of the compliance status, determined in accordance with 40 CFR 63.496(b), and recorded in accordance with 40 CFR 63.498(d)(1), and documentation of the re-establishment of a parameter level for the control or recovery device, defined as either a maximum or minimum operating parameter, that indicates proper operation of the control or recovery device, in accordance with 40 CFR 63.497(c) and recorded in accordance with 40 CFR 63.498(d)(2). Subpart U. [40 CFR 63.499(d)]

GRP141 S-30 - RLA-3 VPC-101 COMPRESSOR ENGINES CAP

299 Permittee shall comply with the Compressor Engines Cap of 157,680 MM BTU/yr for Emission Point No. S-30(CAP), which consists of Compressors S-30A, S-30B, S-30C, S-30D, S-30E, S-30F, & S-30G. The heat input for S-30(CAP) shall be calculated and recorded each month, as well as the total for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Heat input above the maximum listed in this specific condition for any twelve consecutive months period shall be a violation of this permit and must be report to the Office of Environmental Compliance, Enforcement Division. A report showing the twelve consecutive months heat input shall be submitted to Enforcement Division by March 31 for the proceeding calendar year. [LAC 33:III.501.C.6]

RLP076 V-516 - DEASHING PURGE VENT(VDD-500/VHD-139)

300 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

301 Reduce emissions of organic HAP using a flare. Subpart G. [40 CFR 63.113(a)(1)]

302 Organic HAP $\geq 98\%$ reduction by weight, or ≤ 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

303 Which Months: All Year Statistical Basis: None specified

303 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]

304 Which Months: All Year Statistical Basis: None specified

304 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]

305 Which Months: All Year Statistical Basis: None specified

306 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

307 Comply with the requirements of 40 CFR 63.113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]

RLP077 V-517 - HEXANE PURIFICATION/RECOVERY SYSTEM

308 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33:III.5109.A]

309 Reduce emissions of organic HAP using a flare. Subpart G. [40 CFR 63.113(a)(1)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

RLP077 V-517 - HEXANE PURIFICATION/RECOVERY SYSTEM

310 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.1116(c). Subpart G. [40 CFR 63.1113(a)(2)]

Which Months: All Year Statistical Basis: None specified

311 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.1114(d)(1)]

Which Months: All Year Statistical Basis: None specified

312 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.1114(d)(2)]

313 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.1114(d)(2)]

Which Months: All Year Statistical Basis: None specified

314 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

315 Comply with the requirements of 40 CFR 63.113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]

RLP078 V-519 - SLURRY STRIPPER SYSTEM(VSD-21A/21/22)

316 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33.III.5109.A]

317 Reduce emissions of organic HAP using a flare. Subpart G. [40 CFR 63.1113(a)(1)]

318 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.1116(c). Subpart G. [40 CFR 63.1113(a)(2)]

Which Months: All Year Statistical Basis: None specified

319 Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.1114(d)(1)]

Which Months: All Year Statistical Basis: None specified

320 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.1114(d)(2)]

Which Months: All Year Statistical Basis: None specified

321 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.1114(d)(2)]

Which Months: All Year Statistical Basis: None specified

322 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

323 Comply with the requirements of 40 CFR 63.113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]

RLP080 V-521 - PROPANE/HEXANE SPLITTER(VPT-103)

324 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs. MACT is not required. [LAC 33.III.5109.A]

325 Reduce emissions of organic HAP using a flare. Subpart G. [40 CFR 63.1113(a)(1)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Chemical Co - Baton Rouge Chemical Plant

Activity Number: PER19960025

Permit Number: 2376-V0

Air - Title V Regular Permit Initial

V-521 - PROPANE/HEXANE SPLITTER(VPT-103)

RLP080

326 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.1116(c). Subpart G. [40 CFR 63.1113(a)(2)]

Which Months: All Year Statistical Basis: None specified
Which Months: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]

Which Months: All Year Statistical Basis: None specified
328 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]

329 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
Which Months: All Year Statistical Basis: None specified

330 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]
331 Comply with the requirements of 40 CFR 63.113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]